

SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340401

Last changed: 14/06/2012

Internal No: 203340401

4 First aid measures

4.1 Description of first aid measures

INHALATION

Fresh air. Keep the injured person warm and relaxed.

INGESTION

Rinse nose and mouth with water. Contact physician if larger quantity has been consumed.

SKIN CONTACT

Wash skin with soap and water.

EYE CONTACT

Rinse with water. Contact physician if discomfort continues.

GENERAL

Contact physician if symptoms appears. Do not induce vomiting or give anything by mouth to an unconscious person. Keep the injured person warm and relaxed.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

5 Fire-fighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Extinguishing agent: cement or dry sand.

UNSUITABLE EXTINGUISHING MEDIA

Water

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

Dust may form explosive mixture with air.

5.3 Advice for fire-fighters

ADVICE FOR FIREFIGHTERS

Use personal protective equipment.

OTHER INFORMATION

Note the risk of dust explosion.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevent discharge of larger quantity to drain. Immediately inform the authorities if the emission reaches the sewage system and watercourses.

6.3 Methods and material for containment and cleaning up

SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340401

Last changed: 14/06/2012

Internal No: 203340401

METHODS AND MATERIAL

Smaller spill: Flush area with plenty of water. Larger spill: Contain spillage with sand or earth. Can be dumped as landfill or incinerated in accordance with local regulations.

6.4 Reference to other sections

7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Provide good ventilation. Avoid dust formation. Avoid overheating.

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Keep in a dry, cool and well-ventilated place. Avoid high temperatures and direct sunlight.

7.3 Specific end uses

8 Exposure controls / Personal protection

8.1 Control parameters

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Provide good ventilation. Avoid dust formation. Note the risk of dust explosion. Avoid direct contact. Use personal protective equipment. No smoking, fires, welding or sparks.

EYE PROTECTION

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

HAND PROTECTION

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

RESPIRATORY PROTECTION

Wear suitable respiratory protection.

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

PHYSICAL STATE Rods.

COLOUR Green.

SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340401

Last changed: 14/06/2012

Internal No: 203340401

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	3400 °C		
Freezing point	No data		
Initial boiling point and boiling range	5900 °C		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	18,82 - 18,97 g/cm ³		

Note no.	Comments

10 Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

INCOMPATIBLE MATERIALS

Hydrogen sulphide.

10.6 Hazardous decomposition products:

HAZARDOUS DECOMPOSITION PRODUCTS

Note the risk of dust explosion.

OTHER INFORMATION

Avoid dust formation.

11 Toxicological information

11.1 Toxicological effects

ACUTE TOXICITY - ORAL

May cause diarrhoea.

ACUTE TOXICITY - DERMAL

May be slightly irritating.

SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340401

Last changed: 14/06/2012

Internal No: 203340401

ACUTE TOXICITY - INHALATION

Vapours may cause drowsiness and dizziness. Inhalation may cause irritation of the respiratory organs.

SERIOUS EYE DAMAGE/IRRITATION

May cause irritation/smartering.

12 Ecological information

12.1 Toxicity

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13 Disposal considerations

13.1 Waste treatment methods

GENERAL REGULATIONS

Dumped according to local and national regulations.

14 Transport information

Classified as Dangerous Goods: **No**

Land transport (ADR/RID)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		
Hazard ID:	Not applicable.	Tunnel restriction code	Not applicable.

Inland water ways transport (ADN)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Environmentally hazardous in tank-vessels	Not applicable.		

SAFETY DATA SHEET

WOLFRAMELEKTROD W 203340401

Last changed: 14/06/2012

Internal No: 203340401

Sea transport (IMDG)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Sub Risk:	Not applicable.		
IMDG Code segregation group	Not applicable.		
Marine pollutant	Not applicable.		
EMS:	Not applicable.		

Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical Safety Assessment

16 Other information

LIST OF RELEVANT R-PHRASES

R67 Vapours may cause drowsiness and dizziness.

LIST OF RELEVANT H-STATEMENTS

H336 May cause drowsiness or dizziness.